


**MUNICIPAL CORPORATION BHILAI (C.G.)**

**NIT**

कार्य का नाम- जोन क्र. 05 अंतर्गत वार्ड 70 हुडकों राधे कृष्ण मंदिर से डीएवी स्कूल तक डामरीकरण नवीनीकरण कार्य।

1	Description and details of work	Qty.	Unit
1	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 meters, stacking serviceable and unserviceable materials separately and as per relevant clauses of section-200.Bituminous courses	30.00	cum
2	Prime coat (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular Base, including clearing of road surface and spraying primer using mechanical means as per clause 502.	2,300.00	sqm
3	Dense Bituminous Macadam (Providing and laying dense bituminous macadam with minimum 40-60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.505 complete in all respects.)for Grading-II(26.5 mm nominal size bitumen content 4.50%)	20.00	cum
4	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503.Bituminous surface @ 0.25 kg /Sqm	2700	sqm
5	Bituminous Concrete (Providing and laying bituminous concrete with minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.0 to 6.0% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects)for Grading II (13.2 mm nominal size) with bitumen 6.0 %	69.00	cum
6	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997. The finished surface to be level, uniform and free from streaks and holes.)	172.5	sqm

7	The Median Marker shall be made of tough, high impact resistant, injection-molded, thermoplastic body with an isosceles trapezoidal structure of length, width and height not less than 15cm, 10cm and 10cm respectively and thickness not less than 1.8mm. The logo of the manufacturer shall be embossed on either side of the body. The Median Marker shall have fluorescent yellow color retro-reflective sheeting, with fully reflective micro prismatic cube corners as its retro-reflective elements and meets IRC 67-2010 type XI specifications, of size not less than 3.5"x 3.5" on both sides of the body. The edges of this retro-reflective sheeting shall be protected in such a way that they are not exposed. Median Marker shall be fixed by a combination of epoxy adhesive and grouting.	452	NO
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Asstt. Engineer  
Municipal Corporation  
Bhiali (C.G.)

  
Sub-Engineer  
Municipal Corporation  
Bhiali (C.G.)